

ENGINEERING and OPERATIONS
COMMITTEE MEETING
MINUTES

Thursday, February 1, 2024, at 9:30 a.m.
UWCD Headquarters, First Floor, Board Room
1701 N. Lombard Street, Oxnard, CA 93030

COMMITTEE MEMBERS IN ATTENDANCE

Lynn E. Maulhardt, chair
Catherine P. Keeling, director
Daniel C. Naumann, director

STAFF IN ATTENDANCE

Dr. Maryam Bral, chief engineer
Marissa Caringella, environmental services manager
Craig Morgan, chief operations officer
John Lindquist, water resources supervisor
Josh Perez, human resources manager
Robert Richardson, principal engineer
Nathan Summerville, senior engineer
Vanessa Vasquez, clerk of the committee
Brian Zahn, chief financial officer

PUBLIC IN ATTENDANCE

Burt Handy

Call to Order – Open Session

Chair Maulhardt called the committee meeting to order at 9:30 a.m. The clerk of the Committee called roll. All Committee members were present (Naumann, Maulhardt and Keeling).

1. Public Comments
Information Item

Chair Maulhardt asked for public comment. None were offered.

2. Approval of Minutes
Motion

Motion to approve the Minutes from January 4, 2024, Engineering and Operations Committee meeting, Chair Maulhardt; Second, Naumann. Voice vote: three ayes (Naumann, Maulhardt and Keeling); none opposed. Motion carries 3/0/0.

3. February 14, 2024, Board Meeting Motion Agenda Item

The Committee reviewed and discussed the following motion item to formulate recommendations to the full Board at its February 14, 2024, meeting.



3.1 Inverted Siphon Construction Contract (CIP 8018)

(Engineering Department, Dr. Maryam Bral) (presentation attached).

Recommend the approval of the motion to the Board authorizing the General Manager to award a construction contract to the lowest responsible bidder, Granite, in the amount of \$891,000 for the construction of the Inverted Siphon Replacement Project a component of the Freeman Conveyance System Upgrade – Freeman to Ferro Recharge Basin (CIP 8018).

Director Naumann would like the motion item slide to include grant support details along with information related to conversations with local project site residents. Director Keeling expressed concerns over the Inverted Siphon construction compromising an area near a family's orchard in which Chief Operations Officer Craig Morgan stated that staff would do their due diligence to recompact the area, if necessary, making it more secure.

Chair Maulhardt asked for public comment, none offered.

The Committee members were all in favor of recommending approval of this motion to the full Board.

4. Monthly Department Updates

Information Item

The Committee received and reviewed the monthly reports from the Engineering, Environmental Services and Operations and Maintenance Departments as well as receiving verbal presentations of highlights (presentations are attached).

4.1 Engineering Department Update

Dr. Maryam Bral presented department updates that included the Santa Felicia Dam Safety Improvement Project (SFD SIP), 2023 Bathymetric Survey, Freeman Conveyance System Upgrade, Oxnard - Hueneme Pipeline (OHP) Iron and Manganese Treatment Facility, Extraction Barrier and Brackish (EBB) – Phase 1 and a Project Overview.

The Committee members would like to see the Project Overview slide separated into three slides. The following were recommended:

- First slide to include a project timeline
- Second slide to include costs and focus point indicated in pink
- Third slide to include grant funding information
- Labeling of any projects that increase water supply

4.2 Environmental Services Department Update

Environmental Services Manager Marissa Caringella presented Environmental Services department updates that included Freeman Diversion Updates



Engineering and Operations Committee Meeting Minutes
Thursday, February 1, 2024

including an open Fish Ladder, MSHCP, Grant Application submission and support (presentation attached).

Director Naumann asked for a review status timeline on the application submitted for grant program funding for the hardened ramp fish passage facility. Ms. Caringella explained that United had not heard back on the application yet, timeline is unconfirmed, but awards are anticipated by the end of the year.

No further questions or comments offered.

4.3 Operations and Maintenance Department Update

Chief Operations Officer Craig Morgan presented Operations and Maintenance department updates that covered the Santa Felicia Spillway Drain, Saticoy Recharge Basins, Dos Diegos, El Rio Water Treatment Facility and the Pleasant Valley Reservoir (presentation attached).

The Committee members congratulated Mr. Morgan on his promotion to Chief Operations Officer. During Mr. Morgan's presentation Chair Maulhardt and Director Keeling recommended two different companies for soil testing. Mr. Morgan stated staff will review different options.

No further questions or comments offered.

5. Future Agenda Items

No future agenda items offered.

Chair Maulhardt asked staff to have internal discussions with management on possible external collaboration to combat invasive arundo.

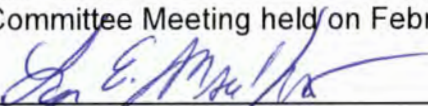
A recommendation was made to include a summary slide in future agenda packets with project costs and grant support information as well as posting it to the District's website for transparency.

ADJOURNMENT 10:41 a.m.

Chair Maulhardt adjourned the meeting at 10:41 a.m.

I certify that the above is a true and correct copy of the minutes of the Engineering and Operations Committee Meeting held on February 1, 2024.

ATTEST:


Chair Lynn E. Maulhardt



Board of Directors
Sheldon G. Berger, President
Lynn E. Maulhardt, Vice President
Catherine P. Keeling, Secretary/Treasurer
Bruce E. Dandy
Mohammed A. Hasan
Gordon Kimball
Daniel C. Naumann

General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
David D. Boyer

ATTENDANCE LIST

MEETING DATE: Thursday, February 1, 2024

MEETING: UWCD Engineering and Operations Committee Meeting

The signing or registering of your name on this sign-up form is not required but is voluntary. All persons may attend the meetings of the Board of Directors of United Water Conservation District without signing or registering their names on this form.

Name (Please Print)

Representing

[Handwritten signature]

RESIDENT

Water Supply Reliability


Motion Item 3.1


Recommend the approval of the motion to the Board authorizing the General Manager to award a construction contract to the lowest responsible bidder, Granite, in the amount of \$891,000 for the construction of the Inverted Siphon Replacement Project, a component of the Freeman Conveyance System Upgrade – Freeman to Ferro Recharge Basin CIP 8018.

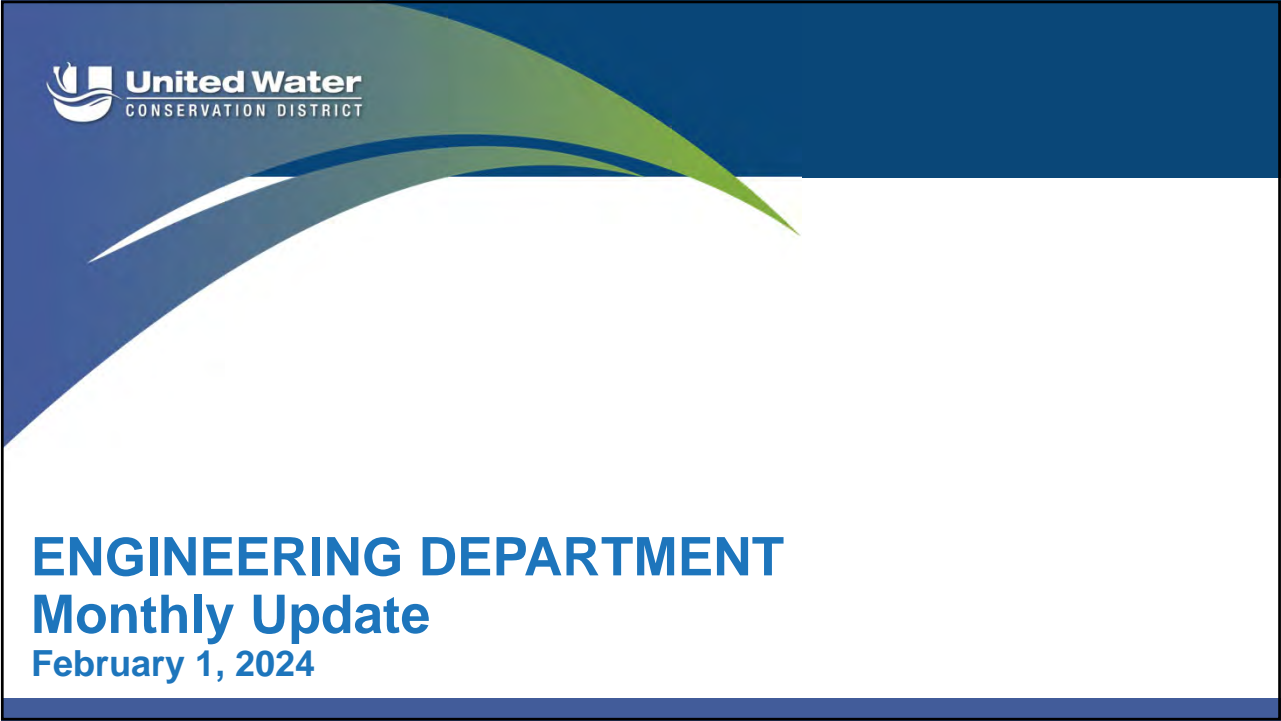
Construction Contract for the Inverted Siphon Replacement (CIP 8018)

Bid Results:

Granite Construction	\$891,000
Taylor Jane Construction	\$912,978
Sam Hill & Sons Inc.	\$966,999
Toro Enterprises, Inc.	\$1,221,485
Union Engineering	\$1,398,333







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C. REGULATORY AND ENVIRONMENTAL COMPLIANCE

Santa Felicia Dam Safety Improvement Project

Design PFMA Workshop

- ☐ A hybrid meeting January 22-25
- ☐ Two virtual meetings on February 2 and February 5
- ☐ Discussed Potential Failure Modes for the new Outlet Works and Spillway Modifications
- ☐ FERC, DSOD, GEI, BV, SMEs and Eng, OPS and WR Staff in attendance
- ☐ Final report due to FERC by March 2024




A PFMA is an exercise to identify all potential failure modes under normal, flood, earthquake, and other (ice, reservoir sedimentation, etc.) loading conditions, including all external loading conditions for water retaining and conveying structures, and to assess those potential failure modes that are significant enough to warrant continued awareness and attention to visual observation, monitoring, and remediation, as appropriate.




- FERC Engineering Guidelines for the Evaluation of Hydropower Projects, Chapter 17

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A. WATER SUPPLY



B. SYSTEM RELIABILITY

Lake Piru Reservoir Sediment Management




Sediment Removal Feasibility Study (September 2022)

☐ Evaluated removal of sediment above El. 970

☐ Dry removal less expensive than dredging

Evaluation Results	
Sediment Removed	Engineering Estimate
2,743 AF	\$296 million



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2023 Bathymetric Survey

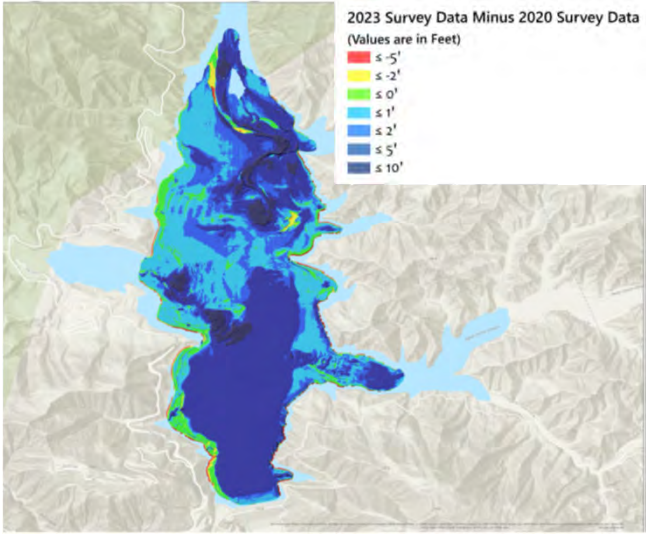
☐ Survey conducted November 27-29, 2023


☐ Reservoir Storage Capacity

2015 – 81,986 AF
2020 – 82,067 AF
2023 – 80,524 AF

☐ Sediment at Intake Tower

• 1.5 feet from intake at El. 932.5







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A. WATER SUPPLY

Freeman Conveyance System Upgrade



☐ Inverted Siphon – Construction to Start in June 2024 – 90 Calendar Days to Complete Construction



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C. REGULATORY AND ENVIRONMENTAL COMPLIANCE

OHP Iron and Manganese Treatment Facility



☐ A Three-Month continuous Operation starting in February

☐ 30-day Contractor On Call Support

☐ Daily, Weekly and Monthly Water Quality Sampling

☐ Monthly reporting to SWRCB Division of Drinking Water



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EBB Water – Phase 1

☐ Land Surveying Services

- Two proposals were received in January
- Surveyor selection by February
- Works to start in March

Geotechnical Services

- Contract for \$249,047
- Fieldwork to start in March

❑ License Agreement 1A

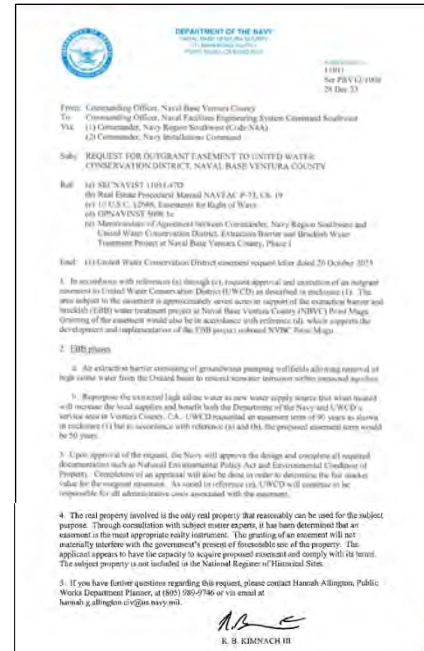
- Extension for a full year through February 20, 2025

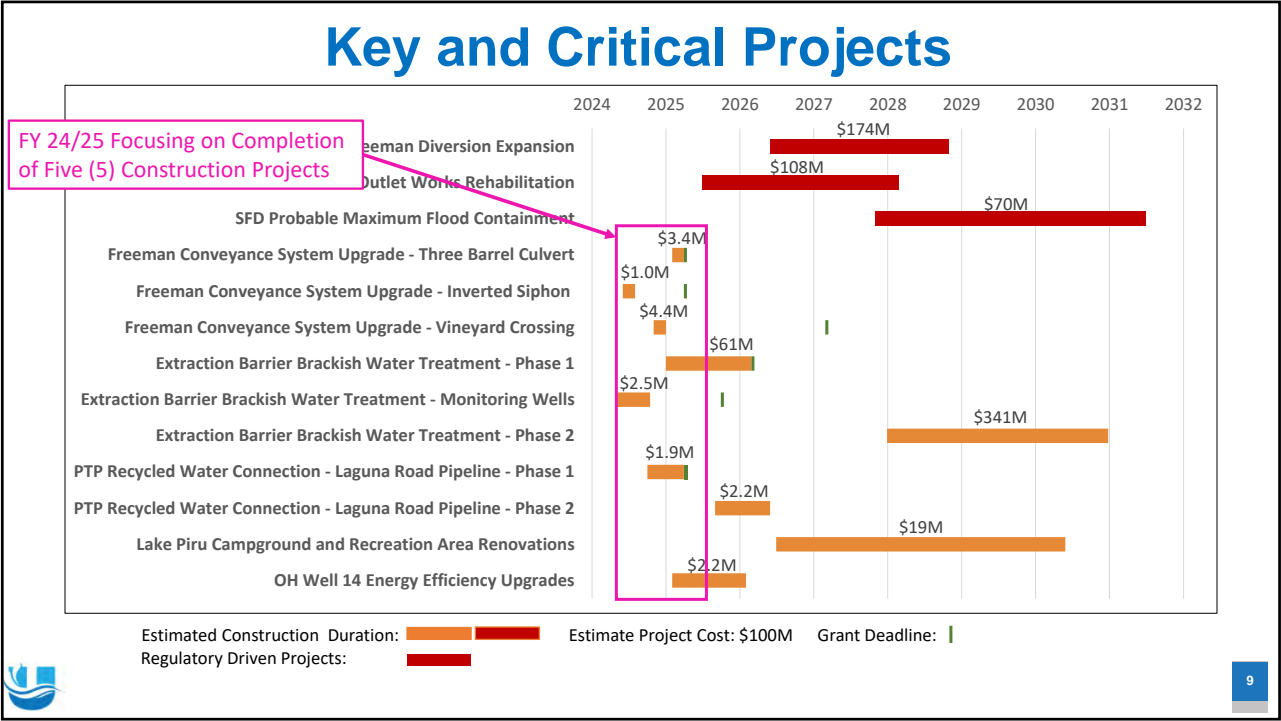
☐ Monitoring Wells Construction

- Bids due on February 8

☐ Outgrant Easement

- Endorsement letter from NBVC CO to CNRSW for an outgrant easement







Freeman Jan 23, 2024

ENVIRONMENTAL SERVICES DEPARTMENT UPDATE

February 1, 2024



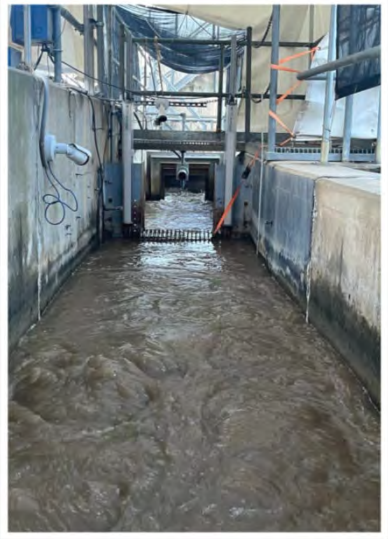


Freeman Diversion

Fish ladder open

MSHCP due date extension

Grant application submitted



Freeman Diversion – Jan 23, 2024

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Letters of support for the Freeman
hardened ramp fish passage project from...

Fox Canyon GMA

California
Assemblymember
Steve Bennett

California
Department of
Fish and Wildlife

The Nature
Conservancy

Pleasant Valley
County Water
District

U.S. Senator
Laphonza Butler

City of Ventura

Wishtoyo
Foundation

CalTrout

Southland Sod


California Senator
Monique Limon

National Marine
Fisheries Service



Center for
Biological
Diversity

Port Hueneme
Water Agency

Ventura Coalition
of Labor, Ag, &
Business



Thank You!





OPERATIONS AND
MAINTENANCE
DEPARTMENT
UPDATE




February 1, 2024

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Santa Felicia Spillway Drain





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Questions?

